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## Distributive Property of Multiplication worksheet - 3

- 1) Use the distributive property of multiplication to find the value of  
 $3 \times (10 - 4)$
- 2) Is  $(-1 + 2) \times 5$  equal to  $-1 \times (2 + 5)$ ?
- 3) Which equation shows the distributive property of multiplication?
  - a)  $a \times (b + c) = a \times b + a \times c$
  - b)  $a + (b \times c) = a + b \times a + c$
  - c)  $a - (b \times c) = a - b \times a - c$
  - d)  $a \div (b + c) = a \div b + a \div c$
- 4) Solve:  $3 \times (-5 + 2)$
- 5) Mia is running with a speed of 'x+3' miles per hour. Find the distance travelled by her in 2 hours.



- 6) Solve for 'z':  $4 \times (z - 1) = 16$
- 7) Fill in the blanks by using distributive property
  - a)  $8 \times (\underline{\quad} - 7) = 8 \times 4 - 8 \times 7$
  - b)  $6 \times (3 - 2) = 6 \times 3 - \underline{\quad}$

8) Multiply 9 with the expression  $(8 - 6)$  by using the distributive property of multiplication.

9) Fill in the blank in the multiplication of 3 and  $(y - 2)$ .

$$3 \times (y - 2) = 3 \times \underline{\quad} - 6$$

10) Which of the following given below is equal to:  $2 \times (2 + 8)$

- a)  $8 \times (2 + 2)$
- b)  $4 \times (1 + 8)$
- c)  $4 \times (1 + 4)$



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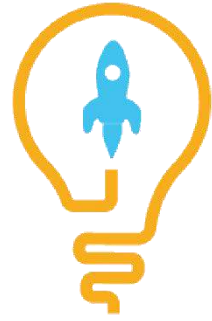
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**ANSWERS**

1)	18
2)	No
3)	a)
4)	-9
5)	$2x + 6$
6)	$Z = 5$
7)	a) 4      b) $6 \times 2$
8)	18
9)	y
10)	c) $4 \times (1 + 4)$

## FUN FACT

1. Distributive property of multiplication is used to multiply the two polynomials.
2. The multiplication of two negative numbers is always positive.
3. The product of any number and one is equal to the number itself.

